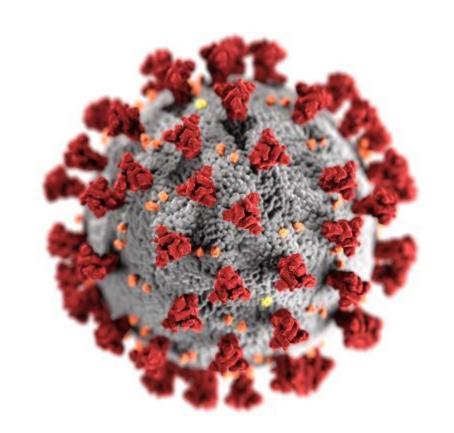
2019 Novel Coronavirus (COVID-19)

South Dakota Department of Health

August 12, 2021



We will begin in just a few moments. Thanks!



This is an **emerging**, **rapidly evolving situation**. Information in this presentation is current as of August 11, 2021. Please check the South Dakota Department of Health website for the most current information and guidance.

COVID.sd.gov



Agenda

- Situation Update
- Laboratory Guidance
- Long Term Care
- Vaccination Update
- Infection Prevention
- Community Mitigation
- Supply Chain Management
- On-going Communications
- Q&A Session



Spread of the Delta variant

- Viruses constantly change through mutation and slightly different forms of a virus are called variants
- Delta is a variant that is approximately twice as infectious person to person compared to the original virus
 - R-naught value: Average number of persons infected from a single case in a naïve population
 - Delta variant: ~5 to 7
 - Original strain: ~3
 - Highest spread happening in communities with low vaccination rates
- Best way to stop the spread of Delta in communities is to get vaccinated against COVID-19

Not intended for press or for reporting purposes

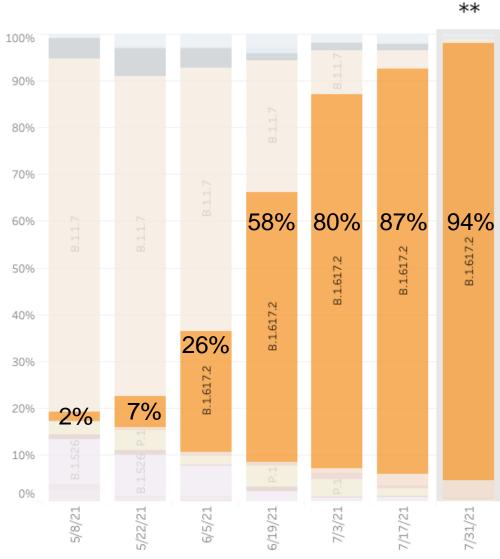


Impact of the Delta variant

HHS Region 8: 4/25/2021 – 7/31/2021

- Delta variant has rapidly become the predominant virus
- Increase in cases from June 15 to August 10
 - +757% in US: 13,232 cases/day to 113,357
 - +646% in SD: 13 cases/day to 97
- Increasing number of breakthrough cases
 - Vast majority of breakthrough cases avoid hospitalization and death

Not intended for press or for reporting purposes



Level of Community Spread

SD-DOH updated levels of community spread to match CDC

Indicator - If the two indicators suggest different transmission levels, the higher level is selected	Low Transmission Blue	Moderate Transmission Yellow	Substantial Transmission Orange	High Transmission Red
Total new cases per 100,000 persons in the past 7 days	0-9.99	10-49.99	50-99.99	≥100
Percentage of NAATs ¹ that are positive during the past 7 days	0-4.99%	5-7.99%	8-9.99%	≥10.0%

- Ways to monitor community spread:
 - CDC: https://covid.cdc.gov/covid-data-tracker/#county-view
 - SD-DOH: https://doh.sd.gov/COVID/Dashboard.aspx
- SD-DOH updated weekly on Monday

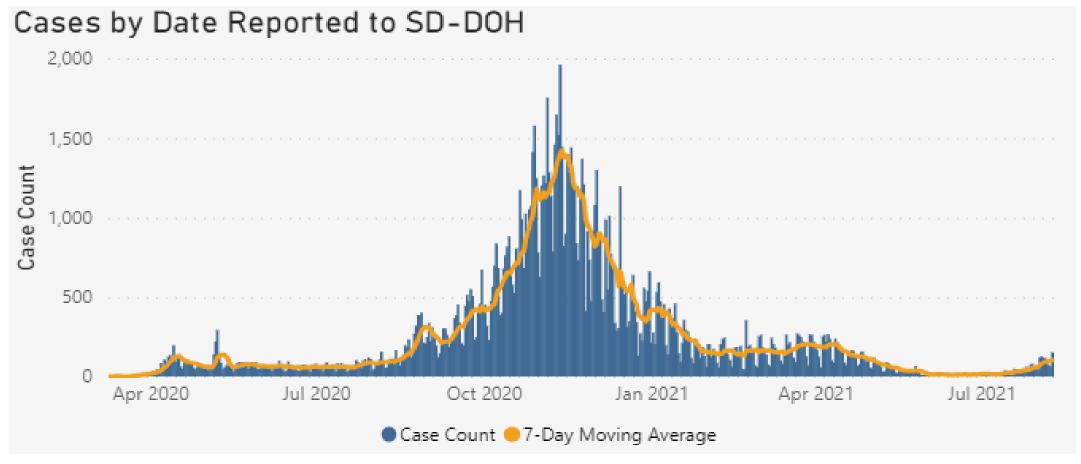


Coronavirus Situation (as of August 10, 2021)

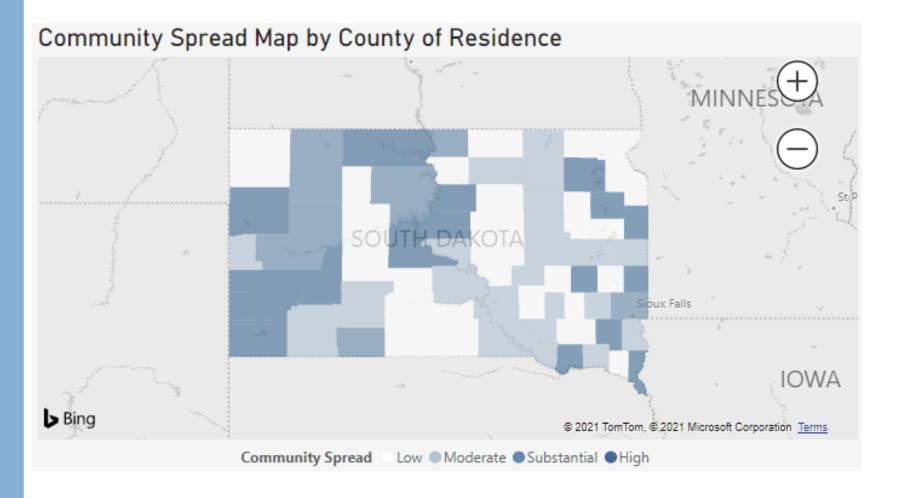
- International
 - 203,295,170 confirmed cases
 - 4,303,515 deaths deaths
- United States (50 states + DC)
 - 35,657,845 confirmed cases
 - 612,060 deaths
- South Dakota
 - 126,454 confirmed and probable cases
 - 2,051 deaths
 - 123,254 recovered cases



Epidemiologic "Epi" Curve of COVID-19 Cases, by Date Reported to SD-DOH



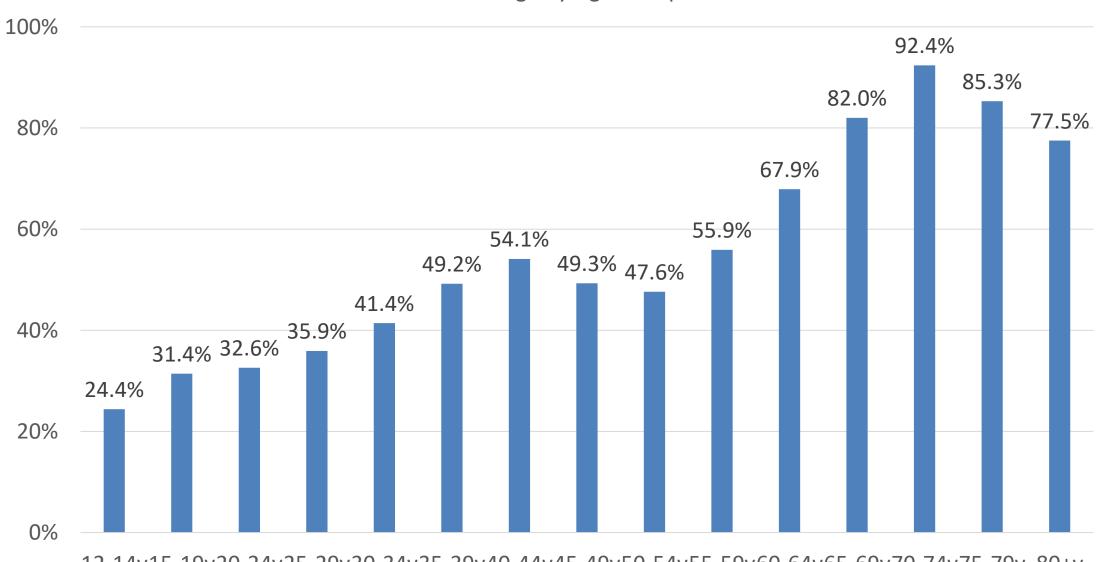
COVID-19 Case Map, by County



Community Spread	Number of Counties
Low	16
Moderate	11
Substantial	13
High	26



SOUTH DAKOTA % Coverage by Age Group



12-14y15-19y20-24y25-29y30-34y35-39y40-44y45-49y50-54y55-59y60-64y65-69y70-74y75-79y 80+y

Not intended for press or for reporting purposes.

General Testing Recommendations

Medical providers are recommended to test individuals (1) identified as a close contact to a person with COVID-19 or (2) signs and symptoms compatible with COVID-19 infection, including:

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html



Reporting COVID-19 Tests to SD-DOH

- Reminder: Coronavirus respiratory syndromes are a Category I disease
- Report <u>immediately</u> on suspicion of disease
- Reporting mechanisms:
 - Electronic Laboratory Report (ELR) HL7 message to SD Health Link (health information exchange)
 - Flat file (CSV) Secure email
 - Disease reporting website <u>sd.gov/diseasereport</u>
 - Fax 605.773.5509

Breakthrough, Variant, and Potential Reinfection Cases

Breakthrough Cases	n
Cases	804
Hospitalized	79
Died	14

Variant Cases	n
Cases	263
Hospitalized	12
Died	4

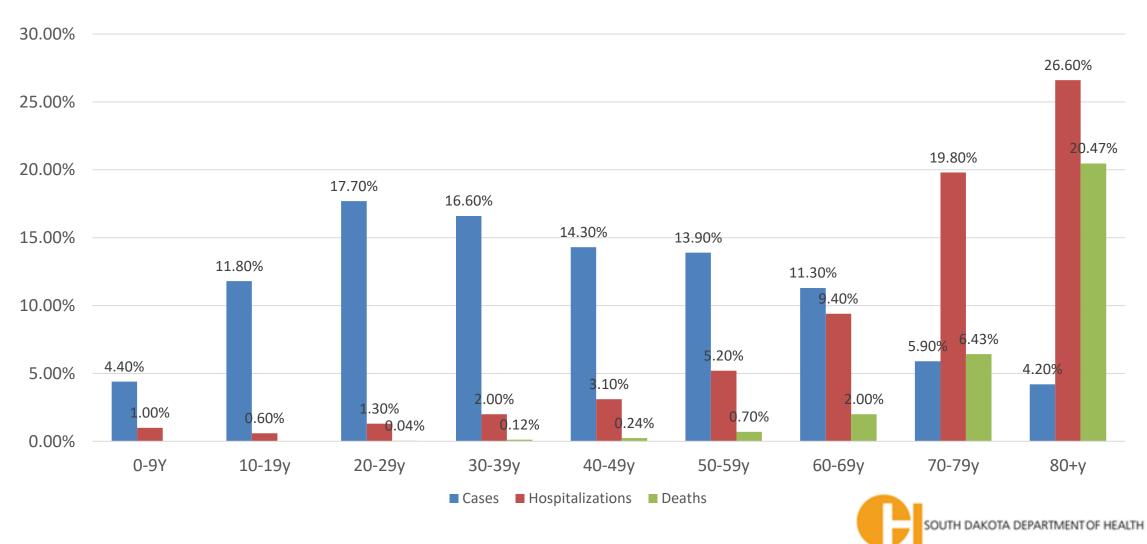
Potential Reinfection	n
Cases	252
Hospitalized	27
Died	9

COVID-19 Variant Data under *Tables* tab: https://doh.sd.gov/COVID/Dashboard.aspx

As of August 11, 2021

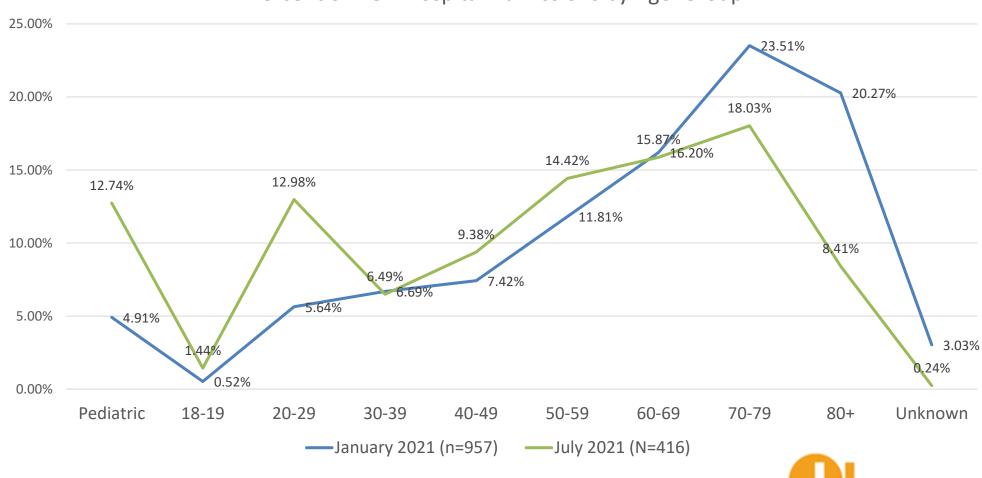


Cases, Hospitalizations, and Deaths by Age Group – as of August 11, 2021

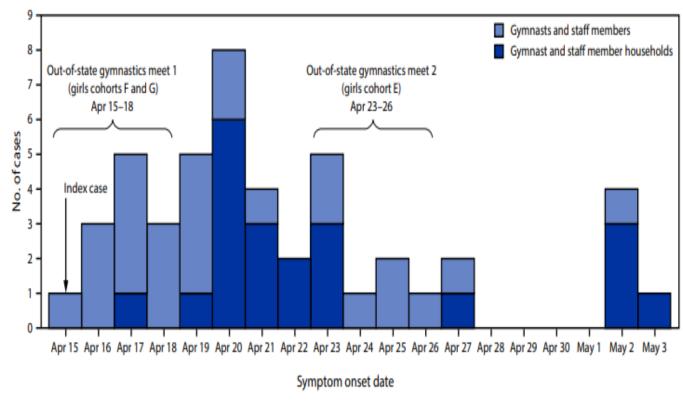


% of Total New Hospital Admissions by Age Group





SARS-CoV-2 B.1.617.2 (Delta) Variant COVID-19 Outbreak Associated with a Gymnastics Facility, Oklahoma, April-May 2021



- 47 cases identified
- Age 5-58 years
- Overall attack rate of 24.2%
- 40 cases were in unvaccinated individuals
- 3 partially vaccinated
- 4 fully vaccinated

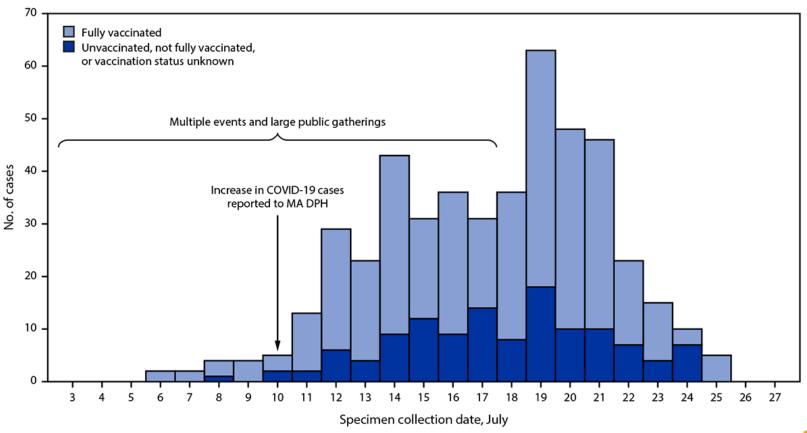


 ¹⁹⁴ persons exposed during outbreak

^{*} Or date of specimen collection, for asymptomatic or presymptomatic cases.

Outbreak of SARS-CoV-2 Infections, Including Covid-19 Vaccine Breakthrough Infections, Associated with Large Public Gatherings, Barnstable County, Massachusetts, July 2021

FIGURE 1. SARS-CoV-2 infections (N = 469) associated with large public gatherings, by date of specimen collection and vaccination status* — Barnstable County, Massachusetts, July 2021



- 469 Cases
- 346 (74%) in fully vaccinated individuals
- 5 hospitalized
 - 4 vaccinated
 - 1 unvaccinated with multiple chronic conditions
- No deaths



Selected CDC Updates

Available at: https://www.cdc.gov/coronavirus/2019-ncov/whats-new-all.html

COVID Data Tracker: https://covid.cdc.gov/covid-data-tracker/#datatracker-home

Updated school guidance: https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/k-12-guidance.html

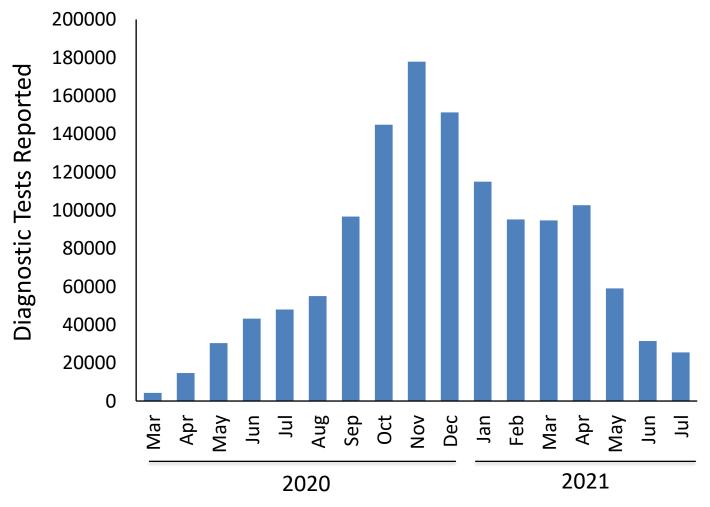
Travel Recommendations by Destination: https://www.cdc.gov/coronavirus/2019-ncov/travelers/map-and-travel-notices.html



Laboratory Guidance



COVID-19 Tests Reported to SDDOH by Month



COVID-19 Testing Program Readiness:

- ✓ Anticipate a surge in testing demand
- ✓ Maintain tiered approach to testing
- ✓ Reach out to vendors now to discuss needs
- ✓ Prepare for a return to "allocation"
- ✓ Prepare for delays and back-orders



Testing Resources Available through SDDOH

- Specimen collection supplies
- Saliva Testing with Vault Health/Rutgers Laboratory
- BinaxNOW antigen tests
- Quidel QuickVue At-HOME OTC COVID-19 Tests
- State public health laboratory testing:
 - Diverse molecular testing opportunities
 - Variant sequencing
 - Wastewater testing **Coming Soon**
- Please contact the SDPHL for details:
 - Laurie.Gregg@state.sd.us









SARS-CoV-2 Antigen Testing: Abbott BinaxNOW

- SDDOH continues to stock Abbott BinaxNOW COVID-19 Antigen test cards.
- For questions about BinaxNOW availability, please contact the following:
 - K-12 Schools: Joe.Moran@state.sd.us
 - Childcare Providers: <u>Laura.Nordbye@state.sd.us</u>
 - Long-term Care: <u>Denise.Broadbent@state.sd.us</u>
 - Healthcare: <u>Laurie.Gregg@state.sd.us</u>
 - Higher Education: <u>Laurie.Gregg@state.sd.us</u>
 - Businesses/Pharmacies: <u>Leanne.Nicholls@state.sd.us</u>
- SDDOH continues to accept requests for BinaxNOW antigen cards
 - Joan.Adam@state.sd.us
 - Tim.Southern@state.sd.us
- Inquiries for BinaxNOW resources can also be directed to:
 - Dorothy.Ahten@abbott.com







Quidel QuickVue COVID OTC Test

Quidel QuickVue OTC COVID Test:

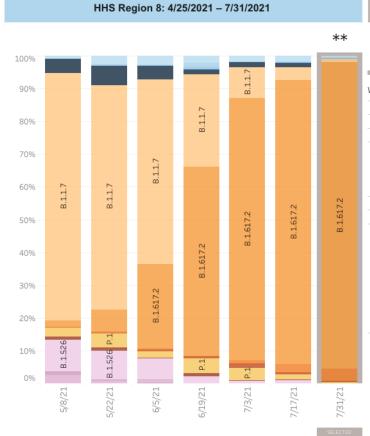
- ✓ Series of two (2) tests.
- ✓ Can be performed on symptomatic and asymptomatic individuals.
- ✓ Does not require a CLIA Certificate of Waiver to perform the test.
- ✓ Does not require a prescription or medical order.
- ✓ Does not require an instrument, meter, or smart device to perform the test.
- ✓ Takes approximately 10 minutes to complete.
- ✓ Specimens can be self-collected by individuals \geq 14 years of age.
- ✓ With adult guidance, the test can be performed on individuals \geq 2 years of age.
- ✓ Results should be reported to the individual's physician.





SDPHL SARS-CoV-2 Sequencing

- B.1.617.2 (Delta variant) is now the dominant SARS-CoV-2 variant in the United States and South Dakota.
- SDPHL asks that our healthcare partners ensure that residual specimens from individuals that test positive for SARS-CoV-2 are submitted promptly to the SDPHL for sequencing.
- If a patients tests positive for SARS-CoV-2
 using an antigen test, or any other test that
 does not require swab collection in VTM,
 please collect a second swab sample in VTM
 for sequencing.

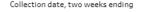


HHS Region 8: 7/18/2021 - 7/31/2021 NOWCAST

Region 8 - Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming

WHO label	Lineage #	Туре	%Total	95%PI	
Alpha	B.1.1.7	VOC	1.0%	0.0-4.4%	
Beta	B.1.351	VOC	0.0%	0.0-2.2%	
Gamma	P.1	VOC	0.2%	0.0-2.2%	
Delta	B.1.617.2	VOC	93.7%	86.7-100.0%	
	AY.3	VOC	3.7%	0.0-11.1%	
	AY.2	VOC	0.3%	0.0-2.2%	
	AY.1	VOC	0.1%	0.0-2.2%	
Eta	B.1.525	VOI	0.0%	0.0-2.2%	
lota	B.1.526	VOI	0.1%	0.0-2.2%	
	B.1.621		0.6%	0.0-4.4%	
	Other*		0.1%	0.0-2.2%	
	B.1.621.1		0.1%	0.0-2.2%	
	B.1.628		0.0%	0.0-2.2%	
	A.2.5		0.0%	0.0-2.2%	
	B.1.427	VOI	0.0%	0.0-2.2%	
	B.1.429	VOI	0.0%	0.0-2.2%	
	B.1.626		0.0%	0.0-2.2%	

- * Enumerated lineages are VOI/VOC or are circulating >1% in at least one HHS region during at least one two week period; remaining lineages are aggregated as "Other".
- ** These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates
- # Sublineages of P.1 and B.1.351 (P.1.1, P.1.2, B.1.351.2, B.1.351.3) are aggregated with the parent lineage and included in parent lineage's proportion AY.3.1 is agregated with its parent lineage AY.3.





SDPHL Laboratory Listserv

- SDPHL uses SDLABLIST to distribute Lab Alerts.
- Lab Alerts provide updates to existing testing programs, announce new testing programs, or alert you to discontinuation of testing programs.
- Lab Alerts are also used to notify the statewide clinical laboratory community about opportunities for:
 - ✓ Infrastructure development
 - ✓ Training and education
 - ✓ Supply availability



Division of Administration Public Health Laboratory www.doh.sd.gov/lab

LAB ALERT: Swab Specimens No Longer Accepted for Mycobacteria Testing

To: South Dakota Public Health Laboratory Clientele

From: South Dakota Public Health Laboratory Client Services

Date: July 26, 2021

Effective August 16, 2021, the South Dakota Public Health Laboratory (SDPHL) will no longer accept swab specimens for mycobacteria testing. Swabs hold extremely small volumes of specimen which significantly limits recovery. Mycobacteria also have a highly hydrophobic cell wall that can prevent release of the acid-fast bacteria from swab fibers.

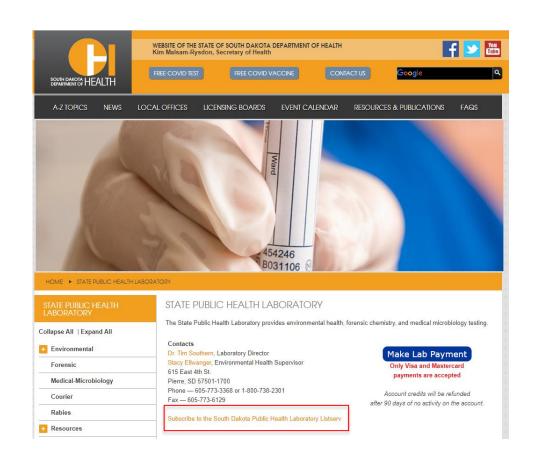
Please contact SDPHL (605-773-3368) if a swab specimen must be collected and submitted for mycobacteria testing because other specimen types such as fluids and tissues cannot be collected. You may also contact SDPHL if you have questions regarding specimen types suitable for mycobacteria testing.

Please distribute this Lab Alert to others in your facility that may need this information.



SDPHL Laboratory Listserv

- SDPHL will use the Laboratory Listserv (SDLABLIST) extensively in the coming months.
- SDPHL will communicate several opportunities including:
 - South Dakota Clinical Laboratory Enhancement Program (SD-CLEP)
 - Quidel QuickVue OTC COVID-19 test availability
 - Workforce development
- You can join the <u>SDLABLIST</u> anytime!





Long Term Care



Disease Impact & Vaccine Status — United States as of 07.25.21. Data reported by nursing homes to the CDC's National

Healthcare Safety Network (NHSN) system COVID-19 Long Term Care Facility Module.

National Percent of Vaccinated Residents: 81.8%

National Percent of Vaccinated Staff: 59.3%

By the numbers

662,495
Total Resident COVID-19 Confirmed Cases

133,513
Total Resident COVID-19 Deaths

593,451
Total Staff COVID-19 Confirmed Cases

1,983
Total Staff COVID-19 Deaths

https://data.cms.gov/stories/s/COVID-19-Nursing-Home-Data/bkwz-xpvg/



Long Term Care in South Dakota

Trending of Disease in Nursing Homes and Assisted Living Centers

903 Deaths in LTC residents

 44% of deaths among people with COVID-19

Week	Resident Cases	Staff Cases	Number of Facilities	Nursing Homes	Assisted Living Centers	Facility Cases in Staff Only
05/03/2021	21	36	23	20	3	15
05/10/2021	16	33	18	18	0	14
05/17/2021	1	16	13	11	2	12
05/24/2021	2	10	9	8	1	7
05/31/2021	3	4	7	6	1	6
06/07/2021	0	2	2	2	0	2
06/14/2021	1	1	2	2	0	1
06/21/2021	2	0	2	1	1	0
06/28/2021	1	2	3	1	2	2
07/05/2021	0	4	4	3	1	4
07/12/2021	0	2	2	2	0	2
07/19/2021	7	3	2	2	0	1
07/26/2021	14	5	4	4	0	2
08/02/2021	16	15	10	8	2	7
08/09/2021	26	23	15	11	4	9



Long Term Care in South Dakota

Providers must continue to follow the **Core Principles of Infection Prevention**.

Choose to get vaccinated. Protect yourself, your family, and our residents.

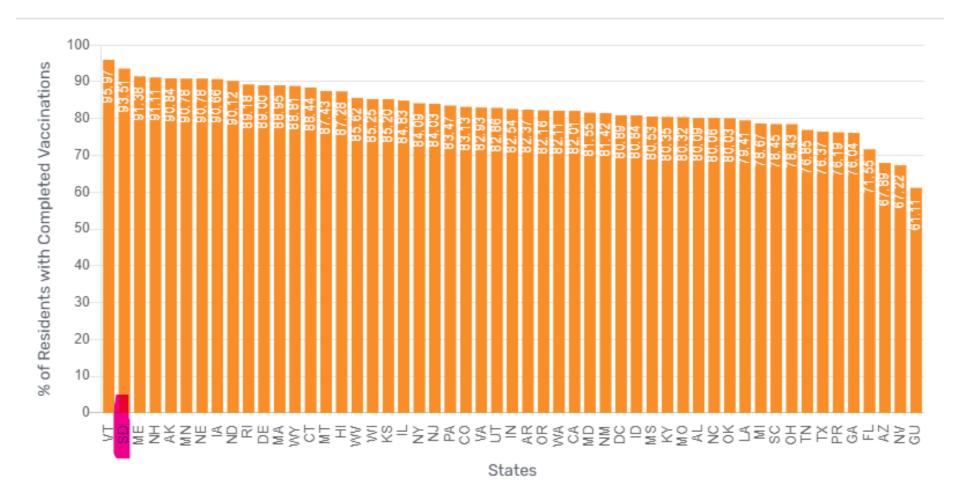
CMS Memos

- > QSO-21-19-NH (5.11.21) Vaccination
- QSO-20-38-NH (revised 4.27.21) Testing
- > QSO-20-39-NH (revised 4.27.21) Visitation



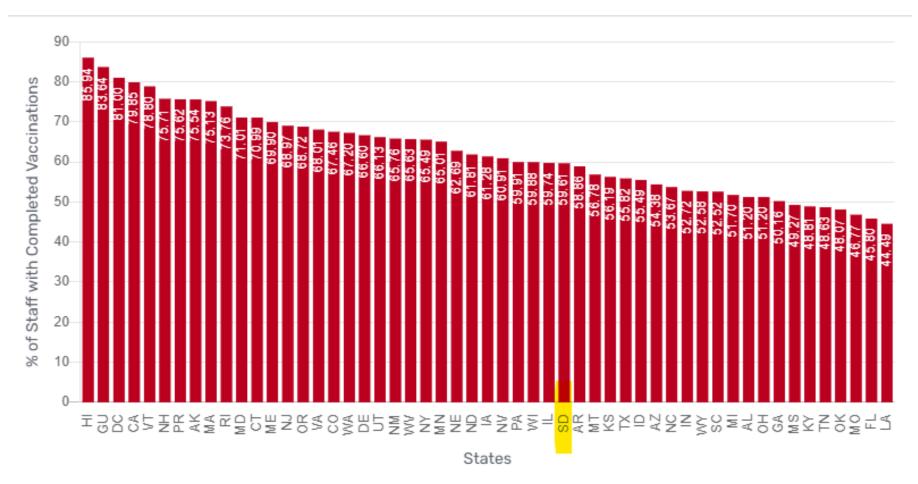
Percent of Current Residents with Completed COVID-19 Vaccinations

Note: This shows the average percentage among facilities who have reported vaccination data in the current or prior week.



Percent of Current Staff (Healthcare Personnel) with Completed COVID-19 Vaccinations

Note: This shows the average percentage among facilities who have reported vaccination data in the current or prior week.





BinaxNOW Testing Kits

To order Sentinel Collection kits from the SDPHL

• Email <u>SDPHLOrderForm@state.sd.us</u>

To start/stop receiving Sentinel Collection kits

Email <u>Lori.Konst@state.sd.us</u>

To Order Abbott BinaxNow from the Department of Health

• Email <u>COVIDResourceRequests@state.sd.us</u>



Vaccination Update



Doses Administered

Total Doses Administered*

725,134

 Manufacturer
 # of Doses

 0
 Janssen
 25,211

 Moderna
 304,480

 Pfizer
 395,443

Total Persons Administered a Vaccine*

389,386

Doses	# of Recipients
Janssen - Series Complete	25,211
Moderna - 1 dose	10,524
Moderna - Series Complete	146,975
Pfizer - 1 dose	17,948
Pfizer - Series Complete	188,747

Percent of State
Population with at least
1 Dose**

60%

Doses	% of Pop.
1 dose	59.82%
Series Complete	54.68%
Based on 2019 Census E aged 12+ years.	Estimate for those



Doses Administered

12 + POPULATION

At Least One Dose (%) 64.35%

At Least One Dose 474,966

Fully Vaccinated (%) 56.84%

Fully Vaccinated 419,510

Population 738,101

18+ POPULATION

At Least One Dose (%) 67.22%

At Least One Dose 448,751

Fully Vaccinated (%) 60.30%

Fully Vaccinated 402,509

Population 667,558

65+ POPULATION

At Least One Dose (%) 92.68%

At Least One Dose 140,761

Fully Vaccinated (%) 86.76%

Fully Vaccinated 131,770

Population **151,871**

TOTAL POPULATION

At Least One Dose (%) 53.69%

At Least One Dose 474,998

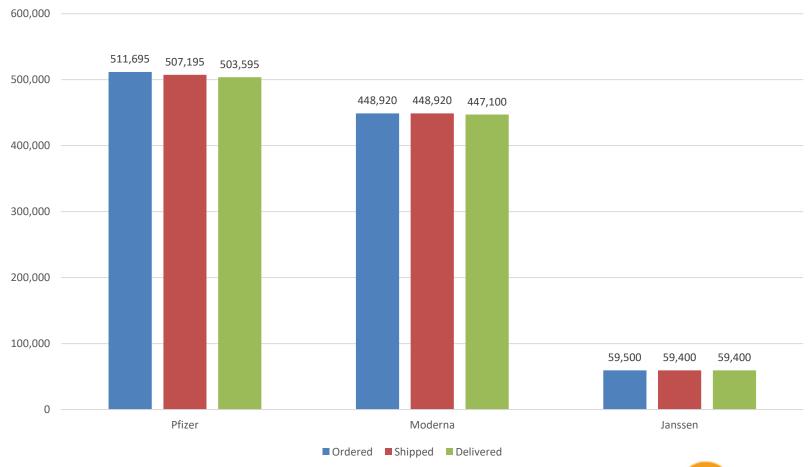
Fully Vaccinated (%) 47.42%

Fully Vaccinated 419,521

Population 884,659

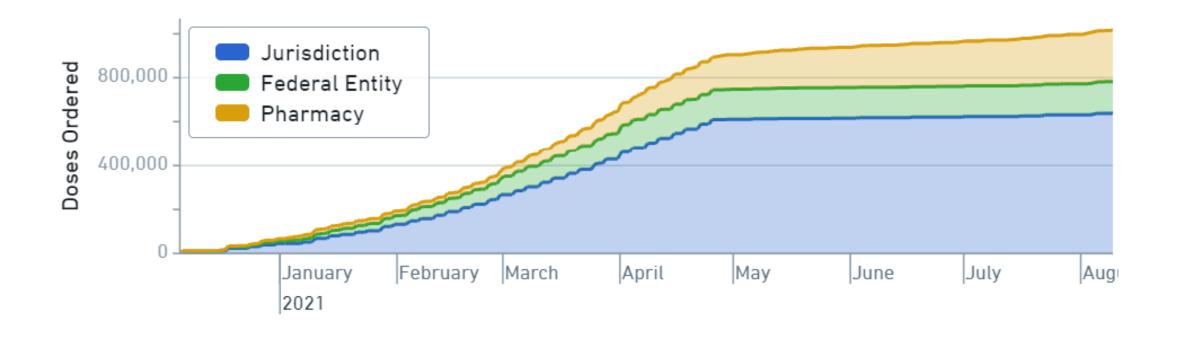


SD DOSES Ordered All Partners





SD DOSES Ordered All Partners





SD DOSES Ordered All Partners

1,020,115

Doses Ordered - Total

1,015,515

Doses Shipped - Total

1,010,095

Doses Delivered - Total

640,320

Doses Ordered - Jurisdiction

639,870

Doses Shipped - Jurisdiction

636,270

Doses Delivered - Jurisdiction

236,170

Doses Ordered - Pharmacy

233,020

Doses Shipped - Pharmacy

231,480

Doses Delivered - Pharmacy

143,625

Doses Ordered - Federal Entity

142,625

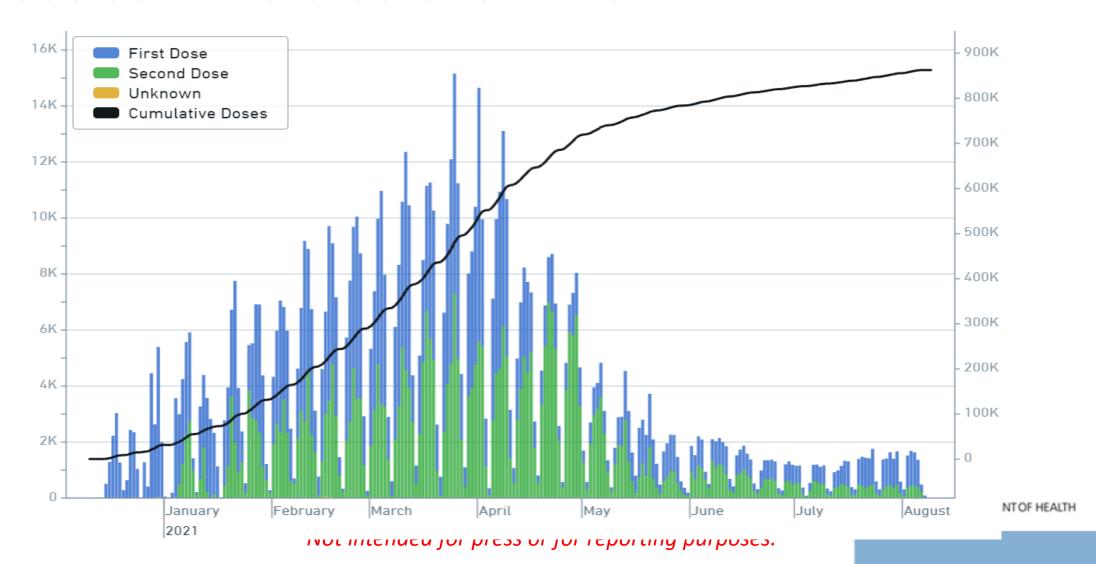
Doses Shipped - Federal Entity

142,345

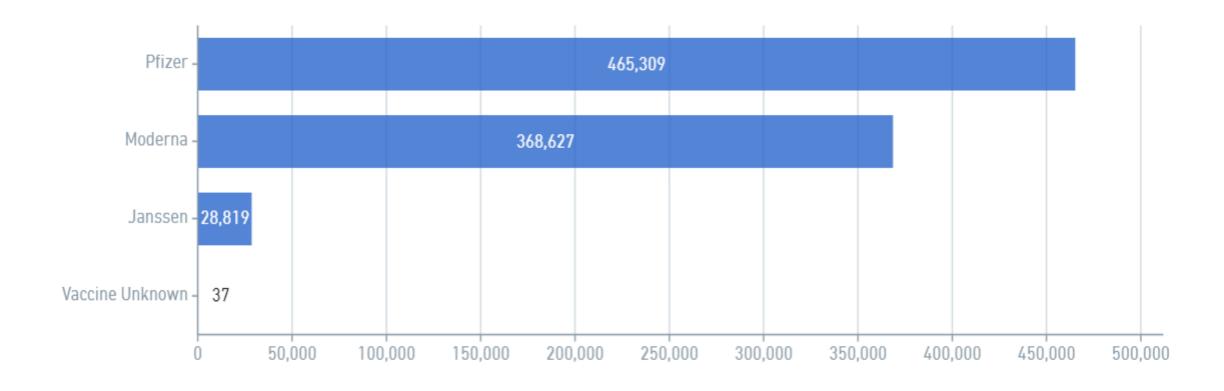
Doses Delivered - Federal Entity



Doses administered over time



Doses Administered by Vaccine



Infection Prevention



Upcoming Infection Prevention Education Opportunities





FREE Infection Control Webinar for Long Term Care Facilities

Topic: "Infection Control Considerations During Construction and Renovation"

Presenter: Ashley Jackson, BSMT, MPH, CIC SPICE Infection Prevention Consultant

Thursday August 19 12:00 noon – 1 pm

Registration Required:

https://zoom.us/webinar/register/WN_4XEtS7HvR4GtzrOCe_wU9Q





New Online Course!

Infection Control Curriculum for Hemodialysis Settings

Currently offered at no cost

Registration Required:

https://spice.unc.edu/0206spice/



NC Curriculum for Infection Control in Home Health and Hospice (SPICE)

Friday, September 17, 2021

8:30 a.m. - 2:30 p.m.

Live Webcast

Learners will be able to ensure and systematically assess that their home health/hospice agency has the appropriate infection prevention policies and procedures in place to allow healthcare personnel to provide safe patient care.

Registration link: https://www.gahec.org/courses-and-events/66756/live-web-cast--nc-curriculum-for-infection-control-in-home-health-and-hospice-

spice?utm_source=Email_marketing&utm_campaign=NC_Curriculum_for_Infection_Control_in_Home_Health&utm_medium=HTMLEmail_



S O U T H D A K O T A

Foundation for Medical Care

Learn About Infection Control



Project Firstline is committed to creating resources that help frontline healthcare workers understand and confidently apply the infection control principles and protocols necessary to protect themselves, their families, and their community.

*On demand videos and curriculum for different topics.

https://www.cdc.gov/infectioncontrol/projectfirstline/index.html





Free conference registration.

https://und.edu/conferences/sd-infection-control/



Infection Control Questions?

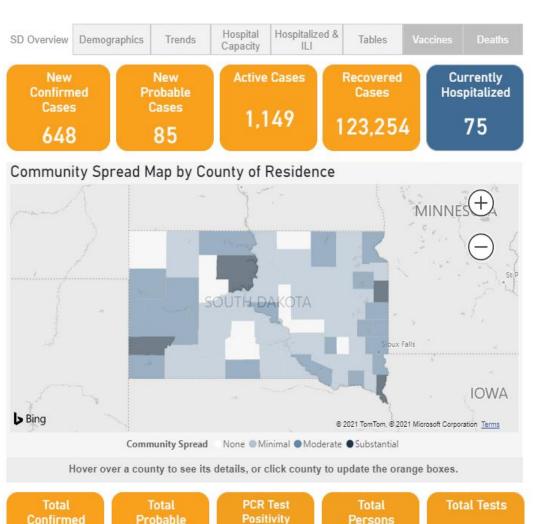
DOHInfectionControl@state.sd.us

<u>Kipp.stahl@state.sd.us</u> <u>Leah.Bomesberger@state.sd.us</u>



Community Mitigation





Total Confirmed Cases

Ever Hospitalized

6,573

Total Probable Cases 15,552

Deaths Among Cases PCR Test Positivity Rate, Last 7 D... 9 8%

9.8% 2021 - 8/9/2021

% Progress (June Goal: 44233 Tests) % Progress (July Goal: 44233 Tests)

Tested

503.964

% Progress (August Goal: 44233 Tests)

1.308.244

37%

Dashboard



PCR Test Positivity Rate: This rate is equal to the number of positive PCR tests divided by total PCR tests, within the specified period of time. Date range includes last full day (24 hours) captured in the data set.

Confirmed Cases and 14-Day Trend Line by Date Reported to SD-DOH



14-Day Trend of Confirmed Cases by Date Reported to SD-DOH: This graph shows the trend (increasing or decreasing) of COVID-19 confirmed cases (persons who meet the national surveillance case definition case for COVID-19) at the state or county level.

Daily Rate of Total Cases, Last 7 Days 8/3/2021 - 8/9/2021 11.67

Rate of Total Cases, Cumulative 3/10/2020 - 8/9/2021

14,326

Case Rate per Capita



Supply Chain Management



PPE Request Procedure

All requests for PPE from DOH must be:

- Emailed to <u>COVIDResourceRequests@state.sd.us</u>,
- Faxed to **605.773.5942**, or
- Called in to 605.773.3048 to ensure prioritization and coordination of requests.
- <u>Do not</u> duplicate your request by using all three means of communication.
- Any requests received through any other email or number will all be directed to email <u>COVIDResourceRequests@state.sd.us</u> OR call 605.773.3048 and requesting entities must provide information regarding their current facility status.

On-going Communication



Helpful sources of information:

covid.sd.gov

coronavirus.gov

SD COVID-19 Help Line: 800-997-2880





Communications

SD-HAN: <u>sdhan.sd.gov</u>

Epi Listserv

Lab Listserv

HAI Listserv

OLC Listserv

Visit **covid.sd.gov** to subscribe





Questions?

Follow-up after the webinar

COVID Helpline: 800-997-2880

Epidemiology: 605-773-3737

Laboratory: 605-773-3368

COVID.sd.gov

